

Zhur Ekspert i Teoret Fiz, Vol XXVIII, 1955,
pp 252, 253, 2 pp abstract

CIA C 87820

AF 664607

Further Discussion on Fluctuations in Gravitating
Systems, by L. P. Terletsky, 4 pp/.

RUSSIAN, 100 per, Zhur Eksp. i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 237-241.

American Inst of Physics
Soviet Physics, Vol II, No 2

43, 816

Sov. Physics
Feb 57 CUE

On the Problem of Rotational Levels and the Spectra
of Heavy Nuclei. II, by S. O. Ryzhanov, 3 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 237-249.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci. - Physics
Feb 57 CIB

43,832.

Concerning Some General Relations of Quantum
Electrodynamics, by R. S. Pradkin, 3 pp.

RUSSIAN, no par, Zhur Ekspet i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 258-261.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CFB

43,843

On the Theory of Langmuir Probes, by Yu. M. Kagan,
V. I. Borol, 2 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 261-263.

American Inst of Physics
Soviet Physics, Vol II, No 2,

Sci - Physics
Feb 57 CFB

43,825

Investigation of the Field of Partial Pressures
in a Diffusing Condensing Chamber, by V. K.
Lipadovskiy, 2 pp.

RUSSIAN, no par, Zhur Eksper i Teoret Fiz,
Vol XXIX, No 2, 1955, pp 263, 264.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

443,885

Table of Contents of the Periodical
Zhurnal Eksperim. i Teoret. Fiz., Vol XXIX, No 3(9), 1955.

Morris D. Friedman

CIA/RDP/X-1928

Delayed Neutrons From Photofission of Uranium and
Thorium, by L. E. Lashereva, B. S. Ratner, I. V.
et al. 1955, 8 pp.

RUSSIAN, per, Zhur Ekspier i Teor Fiz, Vol XXIX,
No 3, 1955, pp 274.

A.E.R.E. Harwell Lib Tr 651
Sci Mus Lib 56/1160

Sci - Nuclear physics

39492

Asymmetry of the Ranges of Fragments in the
Fission of Heavy Nuclei by Very Fast Particles,
by V. P. Shantar, O. V. Loshkin, 9 pp.

RUSSIAN, bino per, Zhur Ekiper i Teoret Fis,
Vol IXIX, No 3 (9), 1955, pp 286-291, ~~XXXXXXXX~~

A.E.R.E. With Harwell Tr 653

Sci - Nuclear Physics
Sup 58 CTS

39, 301

Note on Subsequent Transitions in Meson-Atoms, by
M. I. Polgaretsky, 2 pp.

RUSSIAN, no par, Zhur Kasper i Teoret Fiz, Vol XXIX,
No 3, 1955, pp 374, 375.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTE

44,221

On the Interaction of Extraordinary and Ordinary
Waves in the Ionosphere and the Effect of Multiple
Signal Reflection, by N. G. Denisov, 4 pp.

RUSSIAN, ~~per~~ bimo per, Zh Eksp Teor Fiz, Vol XXIX,
No 3(9), 1955, pp 380-381.

Dec 7 1955
~~INDEX~~

Morris D. Friedman

Jan 56 COS/DEX

\$2.00

Scientific - Physics

30,277

Table of Contents

RUSSIAN, per, Zhur Ekspert i Teoret Fiz, Vol XXIX,
No's, 4(10), 5(11), 6(12), 1955.

CIA/FDD/X-2053

Table of Contents

Shur Eshpen Teoret Fiz, Vol XXIX, No 1-6

Morris D. Friedman

X-2349

International Values for the Thermal Cross Section
of Fissionable Isotopes, 1 p.

RUSSIAN, no per, Zhuk. Zhurav. i Teoret Fiz, Vol.
XXIX, No 6.

American Inst of Physics
Soviet Physics, Vol II, No 2

43,814

Sci - Physics
Feb 57 CDR

The Theory of Strong Coupling for Masson Fields I,
by E. T. Whittaker, 11 pp.

RESEARCH, no per, Star Eksp. i Teoret Fiz.
Vol. XXXI, No 4, Oct 1955.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. Physics
Feb 57 CFS

43786

The Theory of the Acceleration of Charged Particles
by Isotropic Gas Magnetic Turbulent Fields, by S. A.
Kaplan, 8 pp.

RUSSIAN, no per, Zhur Ekspoz. i Teoret Fiz, Vol
XXIX, No 4, 1955, pp 406-416.

American Inst of Physics
Soviet Physics ~~XXXX~~
Vol II, No 2

Sci - Physics
Feb 57 OTS

43,808
AR 57-1401

The Velocity Distribution of Electrons in the
Presence of a Varying Electric Field and a
Constant Magnetic Field, by V. M. Fain.

RUSSIAN, per, Zhur. Eksp. i Teoret. Fiz., Vol XXVIII,
No 4, 1955, pp 422-430.

CCT-1312B

CCT-1312 TM

Doc - Electricity

Doc 59

102,995

Spartakov, A. A. and Tolstol, N. A.
THE STABLE DIPOLE MOMENT OF PARTICLES OF
AEROSOLS. [1961] 3p. 2 refs.
Order from OTS or SLA \$1.10

61-16441

61-16441

I. Spartakov, A. A.
II. Tolstol, N. A.

Trans. of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1955, v. 29, Sep, p. 385.

DESCRIPTORS: *Dipole moments, *Aerosols,
*Particles, Smokes, Polarization, Light transmission,
Tobacco, Test methods, Electrical properties,
Optics, Photoelectric effect.

Light passing through a thickness of 3 to 5 cm of tobacco smoke was modulated by a field of electric rectangular impulses. The curve of the modulation indicated periodic diminution of the transparency of the medium. The effect was observed with any direction of polarization of the light. Each change of sign
(Physics, IT, v. 7, no. 1) (over)

Office of Technical Services

The Theory of the Hall Effect in Ionic Semiconductors,
by H. I. Elinger.

RUSSIAN, also per, Izv Akad. i Teor Fiz, Vol
XXIX, 1955, pp 439-458.

American Inst of Physics
OT/1968

Sci - Electronics

43,442

The Double-Configurational Approximation in the Case
of Carbon-Like Atoms, by A. B. Dolotin, I. B.
Iavinskii, L. I. Levin, 5 pp.

RUSSIAN, no per, ~~Zhur Eksp. i Teoret Fiz.~~
Vol. XXIX, No 4, Oct 1955, pp 449-453.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. - Physics
Pub. 57 CEE

43 768

The Theory of the Propagation of Gamma Rays
Through Matter, by V. I. Ogilevetskiy, 8 pp.

RUSSIAN, no per, Zhur Eksp: i Teoret Fiz, Vol
CXIX, No 4, 1955, pp 454-463.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,823

Angular Distribution of Gamma Rays at Great Depths
of Penetration in Matter, by V. I. Ogievetskiy,
7 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz, Vol
CXIX, No 4, 1955, pp 464-472.

American Inst of Physics
Soviet Physics, Vol II, No 2,

Sol - Physics
Feb 57 CTS

43, 824

Loss of Two Electrons by Negative Ions in
Collisions With Atoms and Molecules, by
V. M. Dubel'skiy, N. V. Fedorenko, 5 pp.

RUSSIAN, no per, Zhur Ekspoz i Teoret Fiz,
Vol XXX XXIX, No 4, 1955, pp 473-478.

American Inst of Physics
Soviet Physics, Vol II, No 2

43,822

Sci - Physics
Pub 57 CTS

Investigation of the Isotopy in Constitution of
Lithium, by N. O. Gorbunova, V. A. Gidutso, 6 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret. Fiz.
Vol. XXIX, No 4, Oct 1955, pp 479-485.

See Also
Am. Inst. of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CTS

43,769

1

An Investigation of the Isotopic Constitution of
Boron, by V. Shustse.

RUSSIAN, bino per, Zhur Eksp. i Teor. Fiz., Vol
XIX, 1955, pp 486-489.

American Inst of Physics
07/1968

3-1 - Physics

43,444

Behavior of Bismuth II in the Neighborhood of a
Hot Radiating Surface, by E. L. Andronikashvili,
I. G. Mirman, 4 pp.

RUSSIAN, No Per, Zhur. Eksp. i Teoret. Fiz.,
Vol. XIX, No 4, Oct 1955, pp 490-494.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CIB

43,770

Secondary Electron Emission in Thin Layers of Be II,
by I. M. Bronshteyn, T. A. Smorodina, 4 pp.

RUSSIAN, no par, Zhur Eksper i Teoret XIX Fiz,
Vol XXIX, No 4, Oct. 1955, pp 495-499.

Amer Inst of Physics
Soviet Physics, Vol II No 3

Sci - Physics
Dec 57 CES

43,771

Secondary Electron Emission in Thin Layers of Silver,
by L. M. Bronshtein, T. A. Shorodin, 6 pp.

RUSSIAN, no par, Itar Eksper i Teoret Fiz, Vol XXIX,
No 4, Oct 1955, pp 500-506.

Amer Inst of Physics
Soviet Physics, Vol II No 3

Sci - Physics
Feb 57 CTE

43,772

Direct Measurement of the Total Light of Rapidly
Decaying Processes of Luminescence, by N. A.
Tolstoy, L. A. Litvinenko, 8 pp.

RUSSIAN, no par, Izvestiya Akad. Nauk SSSR Ser. Fiz.,
Vol. XXIX, No 4, pp 507-515.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. Physics
Pub. 87 015

43,773

The Photographic Action of Ionizing Particles. I
The Form of the Bleaching Curve for Photographic
Film Exposed to Radiation, by A. L. Kartuzhanskiy,
9 pp.

RUSSIAN, no per, ~~Zhur Khaper i Teoret Fiz.~~
Vol. XXIX, No 4, Oct 1955, pp 516-528.

Amer Inst. of Physics
Soviet Physics, Vol. II, No 3

Sci. Physics
Feb 57 CHB

43, 788

Observation of Electroconductive Convection in
Electrolytes, by G. A. Ostrowsky.

RUSSIAN, also per, Zhur. Zhur. i Teor. Fiz, Vol
XXX, No. 1935, pp 529-532.

American Inst of Physics

OT/28 1968

Soviet Physics

Sci - Electronics

4 3,443

Electrical After-Effects in Rochelle Salt, by K. N.
Harned, 3 pp.

RUSSIAN, no per, Zhur Basser i Teoret Fiz,
Vol XXIX, No 4, Oct 1955, pp 583.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CTS

43,797

Fission of Uranium by Slow π Mesons, Fast Neutrons
and γ -Rays of Energies Up to 250 mev, by G. E.
Belovitskii, T. A. Romanova, L. V. Soukhov, I. M.
Prant, 16 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz.
Vol XXIX, No 5, Nov 1955, pp 537-550.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CTS

43,785

Fission of Heavy Nuclei by Slow ^7Li Mesons*, by
N. A. Perfilov, N. S. Ivanova, 8 pp.

RUSSIAN, no per, Zhurikova i Teoret Fiz,
Vol XXIX, No 5, Nov 1955, pp 551-558.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. - Physics
Feb 57 CTS

43,775

On the Correlation Method for the Determination of the
Absolute Yield of Nuclear Reactions, by V. I.
Gol'danskiĭ, M. I. Podgoretskii, 10 pp.

RUSSIAN, no par, Zhur. Eksp. i Teor. Fiz.,
Vol XXIX, No 5, Nov 1955, pp 559-571.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. - Physics
Feb 57 CTS

43, 776

Theory of Strong Coupling for Meson π Fields. III,
by B. T. Seilikman, 11 pp.

RUSSIAN, no par, Zhur Eksp. i Teoret Fiz.
Vol. XIX, No 5, Nov 1955, pp 572-584.

Amer. Inst of Physics
Soviet Physics, Vol XI, No 3

Sci. Physics
Feb 57 CFB

43,777

Asymptotic Behavior of Electromagnetic Vacuum-
Polarization in the Presence of Meson Interactions,
by V. B. Barstetski, 10 pp.

RUSSIAN, no par, Zhurn. Eksper. i Teoret. Fiz.
Vol. CXXX, No 5, Nov 1955, pp 585-598.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

43, 783

Sci. - Physics
Feb 57 CEB

Existence of Quantum Stationary States of Point
Nucleons Which Interact With the Meson Field, by
S. I. Pekar, 4 pp.

RUSSIAN, no per, Zhur Ekspri i Teoret Fiz,
Vol XXIX, No 5, Nov 1955, pp 599-604.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CEB

43,778

Electromagnetic Properties of a Finely Stratified
Medium, by S. M. Rytov.

RUSSIAN, bimo par, Zhur Khepat i Teor Fiz, Vol
XXIII, 1955, pp 605-616.

American Inst of Physics
01/1968

Sci. - Physics

45,445

Weak Self-Consistent Field for the Boron Atom
in the Two-Configuration Approximation, by
L. I. Olembetaki, V. Y. Kibartus, A. P. Yutnin,
5 pp.

RUSSIAN, and part, Zhur Eksp. i Teoret Fiz,
Vol. XXII, No 5, Nov 1955, pp 617-621.

Amer Inst of Physics
Soviet Physics, Vol. II, No 3

SEE - Expansion
Feb 57 (SEE)

4-3, 778

Weak Self-Consistent Field in the Three-Configura-
tion Approximation for the Beryllium Atom, by
V. V. Libartas, V. I. Kavetskiy, A. P. Yutsis, 5 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz.,
Vol. XLIX, No 5, Nov 1955, pp 623-628.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. - Physics
Feb 57 CTS

43,780

Dielectric Losses in Ionic Dielectrics in Strong
Electric Fields, by L. E. Gurevich, V. N. Gribov,
5 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz.
Vol XXIX, No 5, Nov 1955, pp 629-636.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. - Physics
Feb 54 CRR

43790

Determination of Longitudinal Relaxation Times for
Magnetic Resonance of Atomic Nuclei in an Intense
High-Frequency Magnetic Field, by S. D. Gvozdever,
N. M. Ievlalia, 7 pp.

RUSSIAN, no par, Zhur Eksp. i Teoret Fiz,
Vol. XXXV, No 5, Nov 1955, pp 637-644.

Amer Inst. of Physics
Soviet Physics, Vol. II, No 3

43,784

Sci - Physics
Web 97 CFS

The Question of the Possibility of Measuring the
Temperature of the Column of a Jet Discharge Using
the 3054 Å Hydroxyl Band, by M. Z. Kholkov, 6 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret. Fiz.
Vol XXIX, No 5, Nov 1955, pp 645-650.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CJS

43,789

Two-Electrode High-Frequency Discharge at Pressures
From 100 mm Hg to Atmospheric, by G. S. Solntsov,
M. M. Rudakova, 7 pp.

RESEAN, no per, ~~Zhur. Eksp. i Teoret. Fiz.~~
~~Sov. Fiz.~~, No 5, Nov 1955, pp 651-657.

SLA - R - 1011
Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CRB

43,782

Study of the Structure of the Surface of a Liquid
by the Method of Reflection of Light, by V. A.
Kizel, 10 pp.

RUSSIAN, no par, ~~Zhurn. Eksp. i Teoret. Fiz.~~
Vol. XXII, No 5, Nov 1955, pp 658-668.

Amer Inst of Physics
Soviet Physics, Vol II, No 3,

Sci - Physics
Feb 57 CIB

43,787

Temperature Dependence of the Elastic Constants of
Monocrystals of Sodium Chloride and Silver Chloride,
by A. V. Stepanov, I. M. Kishin, 6 pp.

NUSSBAUM, m. per, Zhukh Ekipper 1. Teoret. Fiz., Vol XXIX,
No 5, May 1955, pp 669-675.

Amer Inst of Physics
Soviet Physics, Vol II, No 5

Sci - Physics
100 000 000

43, 766

Absorption Spectrum of Excess Silver in the Low
Temperature and High Temperature Modifications of
Silver Iodide, by P. N. Koldanenko, L. V. Grigoruk,
3 pp.

INCHLAM, no per, ~~Zhur Elader i Teoret Fiz.~~
Vol. 10011, No 5, Nov 1955, pp 676-679.

Amer. Inst. of Physics
Soviet Physics, Vol. II, No 3

43, 781

Sec. - Physics
Vol 57 CRG

Investigation of the Structure of Extensive Air
Showers at Sea Level, by A. T. Abrosimov, A. A.
Bednlakov, V. I. Zatsopin, Yu. A. Nechin, V. I.
/Solov'yev, G. B. Christiansen, P. S. Chikin,
4 pp.

RUSSIAN, no par, Zhurn Eksper i Teoret Fiz, Vol
XXII, No 5, 1955, pp 693-696.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sol - Physics
Feb 57 CJS

43,842

Photoelectric Recording of Spectra of Combination
(Raman) Scattering of Powdery Materials, by Ia. S.
Babovich, V. M. Pivovarov, 3 pp.

RUBCHAN, ~~INDEX~~ no par, Zhur Eksp i Teoret Fiz,
Vol XIX, No 5, Nov 1955, pp 686-691.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 C18

43,795

Meson Corrections in the Theory of Beta Decay, by
S. S. Gerashtein, Ya. B. Zel'Dovich, 3 pp.

RUSSIAN, no par, ~~Zhur Kladet i Tagret Fiz.~~
Vol. XLIX, No 5, Nov 1955, pp 688-699.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 ORE

43, 796

The Role of Spin in the Study of the Radiating
Electron, by A. N. Matveyev, 1 p.

RUSSIAN, no par, Zhur Ekspri i Teoret Fiz, Vol
XXIX, No 5, 1955, pp 700, 701.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,845

Diffusion Coefficient of ZREX Particles in a Magnetized Interstellar Medium, by A. A. Logunov, Ia. P. Terletskiy, 1 p.

RUSSIAN, no per, Zhur Hesper i Teoret Fiz, Vol XXIX, No 5, 1955, pp 701, 702.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,841

5-25-18-1885

The Connection Between the Distribution of a Quasi-monochromatic Stationary Process and the Distribution of its Envelope, by S. M. Rytov, 2 pp.

RUSSIAN, no per, Zhur Ekspoz 1 Teoret Fiz,
Vol DOK, No 5, Nov 1955, pp 702-703.

Amer Inst of Physics
Soviet Physics, Vol. II, No 3

Sov. Physics
Feb 57 0000

43,792

Determination of the Dielectric Constant of
Superconductors, by M. Ia. Azbel, 2 pp.

RUSSIAN, no par, Zhur Kasper i Teoret Fiz,
Vol XCD, No 5, 1955, pp 705-707.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Pub 57 CTS

43, 844

The Fermi-Yang Hypothesis, by S. S. Filippov, 2 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz,
Vol XXXI, No 5, Nov 1955, pp 707-708.

Amer Inst of Physics
Soviet Physics, Vol. II, No 3

Sci. Physics
Feb 57 CEB

43,793

On the Development by Means of Leaders of the
Process of Breakdown of Liquids, (Reply to the
Remarks of G. A. Vorob'ev), 2 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz.
Vol XXXIX, No 5, Nov 1955, pp 703-709.

Inst of Physics
Soviet Physics, Vol. IX, No 3

Sol - Physics
Feb 57 CINA

4-3, 794

Letters to the Editor

Interaction of Nucleons Through a Pseudoscalar Meson
Field, by A. A. Iukhadze, 2 pp.

RUSSIAN, no per, 1955 Zhur Eksp. i Teoret Fiz,
Vol XXIX, No 5, Nov 1955, pp 709-711.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 DTS

43,791

16 837

US-14

VLASOV N. A., et al.

Interaction of protons with tritium and the excited state of He^4

Zhur. Ekspol'. i Teoret. Fiz., 28, No. 6, 639-650 (1955)

RJ. 650. \$ 27.25 - English

E u r a t o m

On the Theory of the De Haas-Van Alphen Effect
for Particles with an Arbitrary Dispersion Law,
by I. M. Lifshits, A. M. Kosovitch, 7 p.

RUSSIAN, per, Zhur Eksp. Teoreticheskoy Fiz,
1955, Vol. XXX, No. 6, pp 743-747.

SLA 59-17677

Sci
Feb 60
Vol 2, No 10

108,921

Propagation of a Short Pulse in a Semiconductor
Bounded by Two p-n Junctions, by Adirovich, B. I.,
V. G. Kolotilova. UNCLASSIFIED

RUSSIAN, Zhur Zhur i Tsepat Fin, Vol XXIX,
No 6, 1958, pp 770-777.

Sci Mus Lib 57/4268

Sci - Phys
Sep 58

73,405

Photochemical Conversion of Color Centers in
Heated Crystals of Potassium Chloride, by
A. A. Shatalov, 11 pp.
RUSSIAN, per, Zhurnal Eksperimental'noy i
Teoreticheskoy Fiziki, Vol 29, No 6 (12), 1955,
pp 947-89. P100172268-V
FTD-HT-24-217-67

Sci/Phys
Aug 58

364,776

Formation of a $\pi^+\pi^-$ Meson Pair in Positron Annihilation,
by V. B. Berestetskii, I. Ya. Pomeranchuk, 2 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz.
Vol. XXX, No 6, Dec 1955, p 864.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CTS

43,798

Green's Function in Scalar Electrodynamics in the
Region of Small Momenta, by A. A. Logunov, 3 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret Fiz, Vol
CXX, No 6, 1955, pp 871-874.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,833

Electroacoustic Waves in a Gas Discharge Plasma
and Space Recombination, by M. V. Konyukov,
Ya. P. Terletskiy, 4 pp.

RUSSIAN, bimo per, Zhur Eksp 1 Teoret Fiz,
Vol. XXII, No 6, 1955, pp 874-876.

ABO Tr 2751

Sci - Physics
Jm 57

48,646

Theory of the Anomalous Skin Effect for Arbitrary
Collision Integral, by M. Ya. Azbel, E. A. Kaner,
3 pp.

RUSSIAN, per, Zhur Misper i Teor Fiz, Vol XXIX,
No 6, 1955, pp 876-878.

Sci Mus Lib No 56/2436

Sci - Physics

42, 827

The Cross Section for Charge Exchange of Slow Ions in a Gas of the Same Element, by Yu. N. Kagan, V. I. Porai, 4 pp.

RUSSIAN, no per, Zhur Ekspri i Teoret Fiz, Vol XXIX, 1955, pp 884-886.

AEC Tr 272

SLA R 51,826

Sci - Physics
Aug 57

Russian, per, Zhur Ekspoz i
Secret Friz, Vol XXIX, 2
No 8, Aug 1955, p. 140.

S-871

General Theory of Relativity or a Theory of
Gravitation? by M. P. Shirokov, 3 pp.

RUSSIAN, no per, Zhur Ekspri i Teoret Fiz, Vol XXX,
No 1, Jan 1956, pp 180-184.

Amer Inst of Physics
Vol III, No 2
Soviet Physics, JETP

Sci - Physics
Apr 57 CTB

46, 489

On the Use of Artificial Satellites of the
Earth to Check the General Theory of Relativity,
by V. L. Ginzburg.

RUSSIAN, no per, ~~Zhur Eksp. i Teoret. Fiz.~~
Vol. XXI, No 1, 1956, pp 213-214.

Morris D. Friedman E-100

Sci - Physics

37,866

Aug 1956

The Theory of Galvanomagnetic Effects in Metals,
by I. M. Lifshits, M. Ya. Ashel, M. I. Kaganov,
5 pp.

RUSSIAN, per, Zhur Eksp. i Teor. Fiz, Vol XXX,
No 1, 1956, pp 220-222.

Sci Mus Lib No 56/2451

Sci - Min/metals

42, 852

55.6/12.45

On Bound Electron and Nuclear Spin
Oscillations in Antiferromagnetics,
by N. N. Turov, V. G. Kuloyev.
RUSSELEMI, per, Zhur Eksper i Teoret Fiz,
Vol XLII, No 1, (V), 1956, 9231754
REC 11-Trans 102

Sci-Elect
Feb 56

296,040

Investigation of the Inelastically Reflected
Electrons From Surface Film of Copper Oxide,
by H. B. Gorny, 11 pp.

⁶
RUSSIAN, no par, Zhur Ekspoz i Teoret Fiz,
Vol XXII, No 1, 1956, pp 160-170.

US Dept of Commerce
Nat'l Bureau of Standards

Sol - Nuclear Physics
Doc 56 CTS

41,186

The Effect of Diffusion on the Kinetics of Crystallization, by E. A. Arinshtein.

RUSSIAN, per, Zhur Boprl i Teoret Fiz, Vol XXX
No 2, 1955, pp 414-416.

Assoc Tech Sv *TR*
\$4.50

Sci - Physics
Aug 57

57,534

RJ-775

SLN R2535

Theory of the Molecular Generator and Molecular
Power Amplifier, by N. G. Basov, A. M. Prokhorov,
8 pp.

RUSSIAN, also per, Zhur Eksper i Teoret Fiz, Vol
XXI, No 3, 1956, pp 560-564.

Morris D. Friedman
\$4.00

Sol. Physics

38,245

On the Linearization of Hartree's Equation, by
P. B. Zyrinov, V. M. Elonskiy, 3 pp.

RUSSIAN, part, Zhur Eksp1 i Teoret Fiz, Vol XXX
1956, p 592.

AEC Tr 2836

Sci - Physics

45,112

Mar 57/CTS

The Theory of Cyclotron Resonance in Metals,
by M. Ya. Azbel, E. A. Kaner, 6 pp.

RUSSIAN, per, Zhur Eksp. i Teor. Fiz, Vol
XXX, No 4, 1955, pp 811-814.

Sci Mus Lib No 56/2437

Sci - Min/metals

42, 826

Quantum Theory of Electrical Conduction in a
Magnetic Field, by I. M. Lifshitz, 6 pp.

RUSSIAN, per, Mag. Eksp. i Teor. Fiz, Vol XXX,
No 4, 1956, pp 810-816.

Sci Mus Lib 56/2450

Sci - Electricity

412,849

Discrete Loss of Energy of Electrons Reflected
From a Surface of NaCl , by H. B. Gornyi, 8 pp.

RUSSIAN, also per, Zhur Eksp. i Teoret Fiz,
Vol. XXXI, No 1, 1956, pp 132-134.

US Dept of Commerce
Dr. Wallace R. Brode, Assoc Dir
Natl Bureau of Standards

Sol - Physics
Mar 1957 CTE/dex

44, 715

Internal Conversion Coefficients of Gamma
Radiation in the K and L Shells, by

I. A. Slyv, L. B. Paul,

RUSSIAN, Tr. Zh. Eksp. Teor. Fiz., Vol 31, 1956,

pp 154-155.

REC-131-11-122

Sci-Chem

Jan 68

348,781